BIOGRAPHICAL SKETCH

NAME: Michael G. Zager **POSITION TITLE:** Postdoctoral Fellow, UNC-CH

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
State University of New York at New Paltz	B.A.	1995	Mathematics
North Carolina State University	M.S.	1999	Computational Mathematics
North Carolina State University	Ph.D.	2003	Computational Mathematics

PROFESSIONAL EXPERIENCE:
1998-2003 Predoctoral Fellow, CIIT Centers for Health Research
2003-present Postdoctoral Fellow, UNC-CH

PROFESSIONAL SOCIETIES:
Society of Toxicology (SOT) and North Carolina Society of Toxicology (NCSOT)
SOT Biological Modeling Specialty Section

Society for Risk Analysis (SRA) and Research Triangle Chapter-Society for Risk Analysis (RTC-SRA)
SRA Dose-Response Specialty Group

Society for Industrial and Applied Mathematics (SIAM)
SIAM Life Sciences Specialty Group

American Mathematical Society

SELECTED AWARDS AND HONORS: (From 1998 to present)
Pi Mu Epsilon Honorary Mathematics Society-Inducted 1999

NCSOT Student Poster Presentation Travel Award-2000
RTC-SRA Graduate Student Award-2001
SIAM Student Travel Award-2001

Preparing the Professoriate: NCSU student/mentor teaching program-2001-2002

National Science Foundation Computer Science, Engineering, and Mathematics Scholarship-2001 and 2002

LECTURES/SYMPOSIA: (From 2000 to present)
INVITED
Modeling the lag in biliary excretion of the phytoestrogen genistein in rats. Society of Risk Analysis-Research Triangle Chapter Seminar, CIIT, Research Triangle Park, NC, Nov. 29, 2000.

Modeling the lag in biliary excretion of the phytoestrogen genistein in rats. Society of Risk Analysis-Research Triangle Chapter Semi-Annual meeting, Arcadis, Research Triangle Park, NC, Nov. 26, 2001.

Current progress in the dosimetry modeling of the phytoestrogen genistein in rats. Biological Modeling Discussion Group, U.S. EPA, Research Triangle Park, NC, January 14, 2002.

Biomathematics: State of the Art Mathematical Techniques Advancing Biological Science. NCSU Department of Mathematics Recruitment Weekend, NCSU, Raleigh, NC, March 1, 2003.

Modeling the distribution and metabolism of the phytoestrogen genistein in the liver. NIEHS, Research Triangle Park, NC, April 11, 2003.

College, math, careers and fun: what do they have in common? Mathematics Seminar Series, Virginia Commonwealth University, Richmond, VA, October 15, 2003.

PLATFORM
A nonlinear delay differential equation model for genistein dosimetry in rats. SIAM Annual Meeting, Rio Grande, Puerto Rico, July 10-14, 2000.

A physiologically based distributed parameter model for genistein dosimetry in rats. SIAM Annual Meeting, San Diego, CA, July 9-13, 2001.

Pharmacokinetic modeling of the phytoestrogen genistein in rats: simulating the lag in biliary excretion. SRA 2001 Annual Meeting, Seattle, WA, Dec. 2-5, 2001.

A distributed parameter system describing the dosimetry of the phytoestrogen genistein in rats. First SIAM Conference on the Life Sciences, Boston, MA, March 6-8, 2002.

A dispersion model-based approach to simulating the dosimetry of the phytoestrogen genistein. SIAM 50th Anniversary and Annual Meeting, Philadelphia, PA, July 8-12, 2002.

ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:
Mathematics in Toxicology. Minisymposium for the First SIAM Conference on the Life Sciences, Boston, MA, September 24-26, 2001. (Co-organized with H.T. Tran)

Steering committee member for the NHEERL Trainee Organization.

PUBLICATIONS:
Zager MG, Tran HT, Schlosser PM. A delayed nonlinear PBPK model for genistein dosimetry in rats. Technical report CRSC-TR02-19, North Carolina State University, Center for Research in Scientific Computation, June 2002; to be submitted to the Bulletin of Mathematical Biology, 2003.
Note: All CRSC technical reports are available online at http://www.ncsu.edu/crsc/reports.html